

Title (en)  
SUPERHEATED STEAM GENERATOR

Title (de)  
HEISSDAMPFGENERATOR

Title (fr)  
GÉNÉRATEUR DE VAPEUR SURCHAUFFÉE

Publication  
**EP 3623701 B1 20221123 (EN)**

Application  
**EP 19196375 A 20190910**

Priority  
JP 2018169420 A 20180911

Abstract (en)  
[origin: EP3623701A1] The present invention is intended to prevent lifetime degradation of a conductor tube by reducing heat deterioration at output ports of the conductor tube. A superheated steam generator generates superheated steam by heating steam flowing through a spirally wound cylindrical conductor tube. The conductor tube is axially short-circuited and subjected to induction heating by a magnetic flux generation mechanism disposed on one or both of inner and outer sides of the conductor tube. Output ports of the conductor tube are disposed at axial midportions of the conductor tube.

IPC 8 full level  
**F22G 1/16** (2006.01); **F22G 3/00** (2006.01)

CPC (source: CN EP KR US)  
**F22B 1/282** (2013.01 - US); **F22G 1/16** (2013.01 - KR); **F22G 1/165** (2013.01 - CN EP US); **F22G 3/002** (2013.01 - EP KR);  
**H05B 6/108** (2013.01 - US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3623701 A1 20200318; EP 3623701 B1 20221123; EP 3623701 B9 20230208**; CN 110887034 A 20200317; CN 110887034 B 20230106;  
CN 210921360 U 20200703; JP 2020042977 A 20200319; JP 7100887 B2 20220714; KR 20200029988 A 20200319;  
TW 202024533 A 20200701; TW I822843 B 20231121; US 11333351 B2 20220517; US 2020080719 A1 20200312

DOCDB simple family (application)  
**EP 19196375 A 20190910**; CN 201910773620 A 20190821; CN 201921364672 U 20190821; JP 2018169420 A 20180911;  
KR 20190102133 A 20190821; TW 108131284 A 20190830; US 201916562016 A 20190905